

ABSTRACT OF THE DISCLOSURE

The present invention relates to a digital data play back apparatus for converting a digital data signal read from a recording medium by sampling in a 5 clock cycle, equalizing this digital data to a waveform which agrees with a partial response class on the basis of the clock, and detecting data on the basis of the clock with respect to the equalized signal waveform. Then, this apparatus detects a timing phase gradient 10 between the equalized signal waveform and the clock, and controls a clock frequency on the basis of the detected timing phase gradient.